

WILLIAMS AV

Digi-Wave[®] ACM

ADVANCED COMMS MODULE



The Digi-Wave Advanced Comms Module (ACM) is a wireless, full-duplex professional production intercom designed to meet the evolving needs of modern communication at an affordable price.

Supporting up to four subgroups and 1,024 devices, the Digi-Wave ACM scales effortlessly with your team. Operating in the 2.4 GHz band, its digital spread-spectrum (DSS) technology ensures crystal-clear audio with a frequency-hopping algorithm

that prevents interference and ensures security.

Unlike most wireless intercoms in the market, which rely on a mounted base station, the Digi-Wave ACM's Main Sync feature allows any in-use device to act as a flexible access point, maximizing range and connectivity. For enhanced coverage, a unit can also be fixed.

The naming feature enables admins to customize subgroup names with up to six characters or select from presets like camera, audio, and stage. This improves team identification and communication efficiency.

Small and mid-sized venues can now enjoy a mobile, reliable intercom system with the clarity and dependability Digi-Wave is known for, all at a fraction of the cost of traditional systems.

Product Features

- **No Fixed Base Station.** Use the Main Sync feature to select any in-use device to act as a flexible access point, maximizing group range.
- **4 Subgroups and Custom Naming.** You can create up to four intercom subgroups, each with a 6-character custom name or preset name.
- **All Call Function.** Allows one or more leaders to communicate with all subgroups simultaneously.
- **Private Call.** Private line communication with the leader for essential or sensitive messages.

Applications

- Broadcast Intercom
- Live Production
- Large operations communications – Tour groups, cruise ships, etc.

Markets

- Live Performance & Events
- Production & Outdoor Broadcast (OB)
- Houses of Worship
- Conference Centers
- Live Sporting Events

Specifications: Digi-Wave 400 Transceiver (DLT 400, AIM, & ACM Models)

Dimensions	2.60"W x 4.22"H x 0.50"D (66 mm x 107.3 mm x 12.6 mm)
Weight	Weight 3.3 oz (94 g) including battery
Color	Black/Silver (Front/Back)
Case Material	Black ABS plastic
Battery Type	Lithium Polymer with smart charge built into transceiver; 1800 mAh
Battery Life	Up to 16 hrs talk time per charge@ 1ch Tx and 1ch Rx
Power Save	Auto Sleep Mode after 5 minutes of no RF signal from compatible devices
Charge Time	5 hrs. approx.
System Voltages	OLED 14VDC; RF 5VDC; Logic 3.3 VDC
Operating Frequencies	2.4 GHz (ISM band); 2402 – 2476 MHz FHSS
Audio Frequency Response (-3dB level)	Intercom, Court, INTP24, Adv. Comm and Q&A Mode: 100 - 7,200 Hz Other Modes: 100 - 11,500 Hz
SNR	73 dB (A-weighted, default Rx volume with mic input)
THD	0.1 % (Default Volume, 1kHz)
Microphone Input	Internal microphone (disabled when MIC jack engaged) and 3.5 mm phone jack (sleeve) with electret microphone bias, adjustable gain with 63dB range.
Line Input	USB-C, Adjustable level
Headphone Output	3.5 mm TRRS headphone jack; 25 mW, R 32 ohms
Audio Output	Headphone: Max SSPL 90 111.8dB (EAR 013), 116.8dB 041) Line: USB-C, Adjustable level
Range	Up to 900 ft (274 m) (depending upon environmental conditions)
Modulation	FSK
RF Oupput	19 dBm Typical
Security	87 bit encryption (300 Series Compatible), 128+87 bit encryption, encryption PIN, Lock for settings
Side Tone	-6 dB below volume, tone variation (Off, Low and High settings available)
Indicators	OLED
LEDs	Red LED around Talk button when enabled; Bi-color, changing green and red LED at top
Charging Connectors	USB-C; Two contacts for use with CHG 412
Compatible Receiver	DLR 400 RCH, DLR 400 ALK, DLT 300 with some limitations and DLR 360 with some limitations
Operating Temperature Range	14º to 113ºF (-10º to 45ºC)
Approvals	FCC, Industry Canada, CE, RoHS 3, WEEE, RCM, ANATEL, KC, Giteki
Warranty	2-year warranty against component failure and manufacturing defects (6 months on internal battery). See Full Warranty on the website for details.